SIMONA® Injection-Moulded Bends
d 450/500 mm

SIMONA AG
Key areas of application for injection-moulded bends in d 450/500 mm include:

- CPI/Industry
- Plant engineering
- Water treatment
- Mining

The great benefit of these SIMONA® bends:

- Manufactured also with long spigots!
- This makes injection-moulded bends in these dimensions also suitable for joining by means of electrofusion sockets!
Special properties
What makes the difference?

Injection-moulded bends **without reduction factor** are a particularly cost-effective solution for use in confined spaces.

Despite their large diameters, they are **compact in their overall design** \((r = 1d)\).

Their excellent hydraulic properties make them **extremely efficient** (e.g. accelerated flow rates) compared to similar fittings such as elbows.
## At a glance
### SIMONA® Injection-Moulded Bends

<table>
<thead>
<tr>
<th>Material</th>
<th>PE 100 and PP-H AlphaPlus®/PP-R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>32 – 500 mm</td>
</tr>
<tr>
<td>Angle</td>
<td>90°</td>
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<tr>
<td>Spigot</td>
<td>Elongated and short spigots</td>
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<tr>
<td>SDR</td>
<td>17.6 / 17 / 11</td>
</tr>
<tr>
<td>Radius</td>
<td>r = 1 d</td>
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<tr>
<td>Nominal Pressure</td>
<td>PN10 / PN16</td>
</tr>
<tr>
<td>Standards</td>
<td>DIN EN 12201-3, DIN EN 1555-3, EN ISO 15494</td>
</tr>
</tbody>
</table>

- **Long spigots** = universally weldable, also with electrofusion socket
- **Extensive stock range** = excellent availability
- **Compact design** = minimal space requirements
- **Excellent hydraulic properties** = very good flow rates

**Product range**
Thank you!

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